

LOW-SULFUR ARTICLE HAVING A PLATINUM-ALUMINIDE
PROTECTIVE LAYER, AND ITS PREPARATION

ABSTRACT OF THE DISCLOSURE

A coated article is prepared by furnishing an nickel-base article substrate having a free sulfur content of more than 0 but less than about 1 part per million by weight. A protective layer is formed at a surface of the article substrate. The protective layer includes a platinum aluminide diffusion coating. The protective layer may be substantially yttrium-free, or have a controlled amount of yttrium. A ceramic layer may overlie the protective layer.